



# Hull Wind 2

Financing municipal projects  
Small scale wind

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Presented by

**Andrew Stern**

Citizen Advocates for Renewable Energy (CARE)

# Hull wind project started in 1997

**Windmill Point**  
Hull, Massachusetts



**CARE – Citizen Advocates for Renewable Energy**



# Hull 1 ~ 660 kW – Dec 27, 2001



- 1,500 MWh/year –  
8,000 MWh to date
- Equivalent to 250  
homes/year
  - ~ 3% of Hull
- Annually Offsets:
  - 1,200 tons CO<sub>2</sub>
  - 7 tons SO<sub>2</sub>
  - 5 tons NO<sub>x</sub>



# Hull 1 ~ 660 kW – Dec 27, 2001



- Cost: \$780,000.00
- Under 4-yr ROI through energy costs saved
- Federal and State incentives



# Hull 2 – constructed in May 2006



- Hull 2 started in 2002
- 95% approval of the residents of Hull, MA
- 4,500 MWh/year – 1,500 MWh to date



# Hull 2 – Vestas V80 1.8MW



- \$3,000,000.00 cost to construct
- Hull and Harvard U. ink 10-year deal
- 50,000 MWh RECs = \$1,800,000.00



# Hull 1 and Hull 2 contribute to 13%



Hull 1



Hull 2



Hull plans on 4 off shore turbines 100%.

# Hull has won several awards



**AWEA**



**EPA**



**Mass Municipal Assoc.**



**Mass Congressional Award**



**Clean Air – Cool Planet**



**DOE**



# Hull Wind 2



[www.HullWind.org](http://www.HullWind.org)  
[andrew@hullwind.org](mailto:andrew@hullwind.org)